

## **BRANDT's revolutionary new glue application system QA 45**

### **"PUR"e innovation**

**QA 45 is the name of the new innovative glue application concept from BRANDT Kantentechnik GmbH. Characteristic benefits of the new system include short heating-up times and scope for fast resetting: meaning improved flexibility for processing a whole range of different glue types, edges and panel materials.**

In the modern world with its ever greater product diversity and widely varying customer expectations, the ability to produce with maximum flexibility is key: MDF, HDF, chipboard and lightweight panels. PUR or EVA glue. Melamine edges, solid wood mouldings, PVC edges... the list appears endless. But to ensure that its customers are always ideally equipped for continuous production without the need for laborious conversion work, the engineers from Lemgo have come up with an innovative new glue application system: the QA 45.



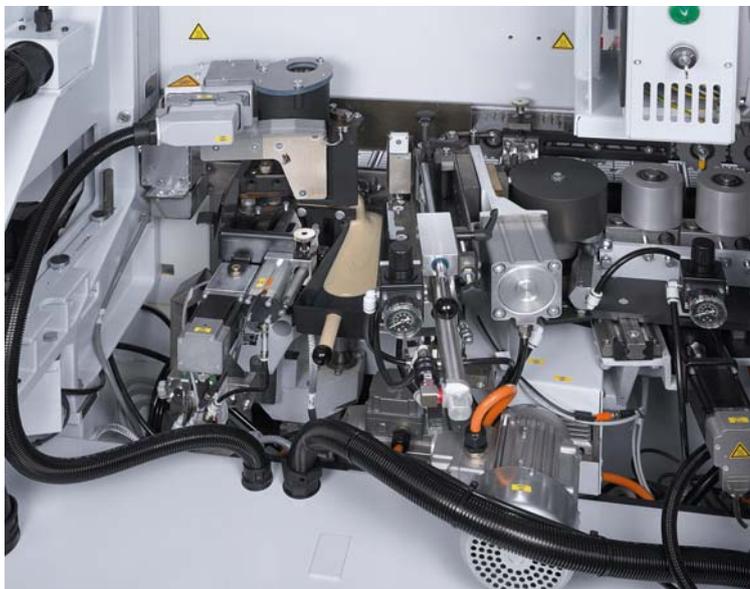
The melting unit forms the nerve centre of the new QA45 system, and is available in combination with five different melting systems depending on customer requirements. The special coating on the application unit allows all types of glues, glue colours and PUR granulate to be processed. Particularly impressive is the speed at which the machine is ready for operation: From heating up the application unit to start of production in just 10 minutes. This is a totally unique selling proposition in the field of gluing units using glue granulate.



All the functions of the QA 45 are selected using the PC 20+ control system: Metering the glue application quantity, display of maintenance intervals, changing the glue application from synchronous to counter-rotation, or initiation of the cleaning mechanism. Integration of the control system in the machine processes simplifies operation and guarantees even better reproducibility of results – even when changing between operators.

Emptying and cleaning gluing units has always been a laborious and time-consuming task. Whether changing the glue type from PUR to EVA, or to introduce a new colour – the melting unit always had to be emptied and cleaned manually, or alternatively a glue change system implemented. This procedure has now been simplified in the new QA 45 from BRANDT.

Depending on whether for instance PUR or EVA adhesive is being used, a special cleaning mechanism tailored specifically to this granulate type is activated. The operator is guided through the procedure by on-screen instructions from the control system, ensuring an error-free and simple glue change. The surplus glue is automatically transported out of the application unit and gathered in a collecting tank. The new glue colour or type is then fed via the melting unit, and the system is ready for its new assignment.



The most commonly used variant of the new system is without doubt the combination of the QA45 with an EVA melting unit. This configuration permits customers to maintain continuous production, particularly at high feed rates and for thicker workpieces. The melting unit has a filling capacity of 4 litres of hot melt glue, and guarantees a melting output of up

to 8 kg/h. The melted granulate is continuously transported downwards into the QA45 application unit below, ensuring continuous production.

For customers who produce an extremely varied order spectrum requiring continuous changes of colour or glue type, it is also possible to equip the machine with 2 EVA melting units. These can be displaced on a traversing unit for extra-fast changeover, allowing for instance one melting unit to be filled with black and the other with clear glue granulate.



PUR glue is specifically designed for the manufacture of furniture or fittings used in damp rooms such as kitchens, bathrooms or laboratories.

BRANDT also offers the ideal solution for this type of customer: A combination of the QA 45 application unit and a PU melting unit. This melting unit is designed for the processing of PU cartridges. It provides a melting output of 6 kg/h and is suitable for 2 kg containers in cartridge form. The PU application unit is hermetically sealed, allowing started cartridges to be stored for further use for up to 72 hours.

Small production runs and even batch sizes as low as one are a regular occurrence in woodworking shops. For this type of application, the QA 45 also offers the option of manual filling. In this case, the application unit is

fitted with an exchange unit for manual filling. This can be filled with granulate or also glue in cartridge form. The system guarantees fast changeover between different types of hot melt glue or different colours.

The new QA45 glue application unit is available as an option in all BRANDT machines from the 1600 series upwards.